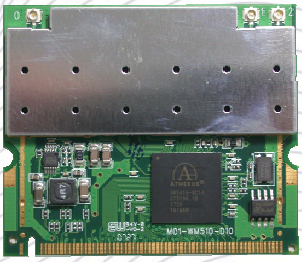

WM5100

802.11n compliant 2.4GHz Mini-PCI Module

Description

The WM5100 is an IEEE802.11 n/b/g mini-PCI card that connects your notebook to a wireless local area. The WM5100 3*3 MIMO Technology improves effective throughput and range over existing 802.11 b/g products better expands the receiving distance and efficiently eliminates wireless connection dead spots compared with normal 11g products.

The WM5100 is a very small card that can fit into any notebook, handheld or desktop computer equipped with a mini- PCI (Type III A slot) interface for wireless network applications. It allows you to take full advantage of your notebook's mobility with access to real-time information and online services anytime and anywhere. It slides easily into the mini-PCI expansion slot to enable a wireless connection to your network.

Features

- **Processor for 2.4GHz WLANs**
- **BPSK,QPSK,16QAM,64QAM,DBPSK,DQPSK, and CCK modulation**
- **Data rates up to 130Mbps for 20MHz channels and 300Mbps for 40MHz**
- **Security: WEP, WPA, WPA2 Enterprise)**
- **Encryption: TKIP, PSK and AES**
- **3*3 MIMO Technology improves effective throughput and range over existing 802.11 b/g products**
- **32-bit and 0-33MHz PCI 2.3 inter face**

Specification

Standards	**IEEE 802.11 n/b/g standards compliant**
Antenna	**Detachable antenna**
Frequency Range	**802.11 n/b/g** **USA (FCC): 2.412GHz ~ 2.462GHz** **Europe (ETSI): 2.412GHz ~ 2.472 GHz** **Japan (TELEC): 2.412GHz ~ 2.483GHz**
Number of Selectable Channels	**802.11n 20MHz/40MHz ;802.11b/g** **USA (FCC) 11 channels;** **EU (ETSI) 13 channels;** **Japan (TELEC) 14 channels**
Data Rate	**802.11n: up to 300Mbps** **802.11b: 1, 2, 5,5, 11Mbps** **802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps**
Coverage Area	**Up to 12 times faster then existing 802.11 b/g products**
Transmit Power	**11n HT40 : +12dBm** **11b CCK: +16dBm** **11g OFDM: +18dBm**
Receiver Sensitivity	**-65dBm at 300Mbps** **-75dBm at 54Mpbs, 10% PER** **-84dBm at 11Mpbs, 8% PER**
Power Requirement	**3.3Vdc**
Dimension	**59.6mm(L)*50.95mm(W)*4.2mm(H)**
Certifications	**FCC, CE**

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